

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100676

Analyst/Technician(s): Megan C.
Supervised Carlie Flaister
by

Start Date: 3/28/2024

Date Instrument Received: 3/28/2024

Reason for instrument evaluation

No operators or supervisors at agency

Visual Inspection:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag | |
- Attach VOC VOC Internal Standard \leq 3.00% Verify software version

Condition of item: No apparent damage Damaged

NOTE: As Found Linearity is required if the instrument is not damaged and the internal standard value is not more than 4.00%

As Found Conditions (if performed):

Barometric Pressure (inHg): 29.60 Temperature (C): 20.4 Relative Humidity (%): 25

Linearity Test Levels (g/210L): 0.020, 0.080, 0.300

Notes: Changed O-ring

Attach Non-Drinking Subject Test

Conclusion:

- Ready for Adjustment Needs Repair
 Ready for Calibration

Lab Work End Date: 3/28/24

Page 1 of 1

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100676

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/28/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 183 psi

BLANK TEST	0.000	10:19
INTERNAL STANDARD	VERIFIED	10:20
Xq = 0.090 (1.98%)		
EXTERNAL STANDARD	0.077	10:20
X[1] = 0.0774 (-0.0006) (0.0002)		
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.078	10:21
X[1] = 0.0778 (-0.0004) (0.0001)		
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.078	10:22
X[1] = 0.0784 (0.0001) (0.0006)		
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.078	10:23
X[1] = 0.0780 (-0.0008) (0.0001)		
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.078	10:24
X[1] = 0.0780 (-0.0007) (-0.0001)		
BLANK TEST	0.000	10:25

Average = 0.0778
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.6°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.62 V	PASSED
(0.96 V - 2.24 V)	
Cooler Voltage = 1.62 V	PASSED
(0.94 V - 2.20 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.275 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.089 1.29% (0.00% - 4.00%)	

LINEARITY CHECK

Alaska Department of Public Safety
DATAMASTER dmt: 100676

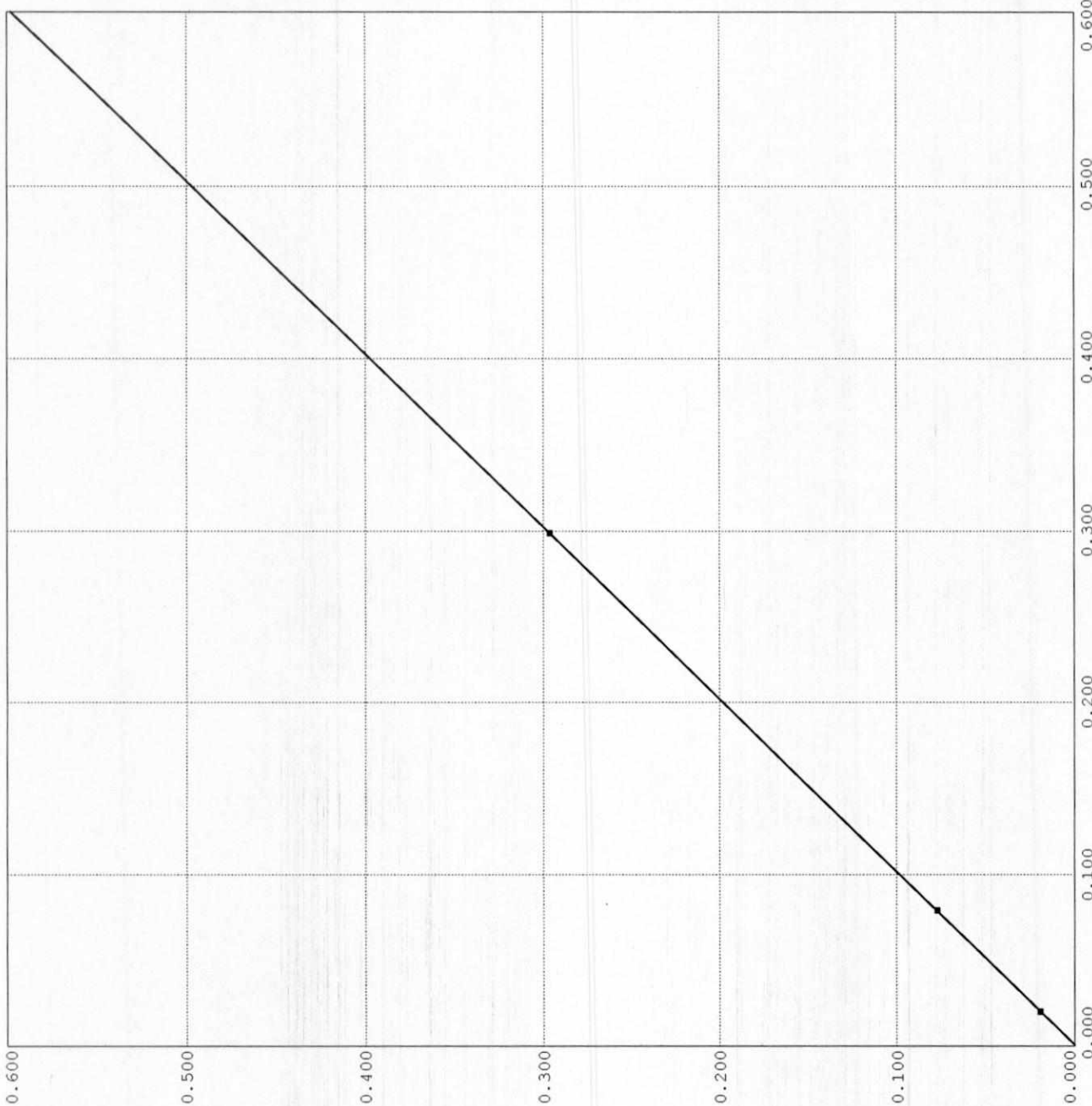
Date: 03/28/2024
Time: 10:28:55

SUPERVISOR NAME:
MEGAN CROUSE
OPERATOR'S #: 10747

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.079	0.0780	0.0000
0.298	0.2970	0.0000

SLOPE = 0.997382
R² = 0.999991

MNC



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100676

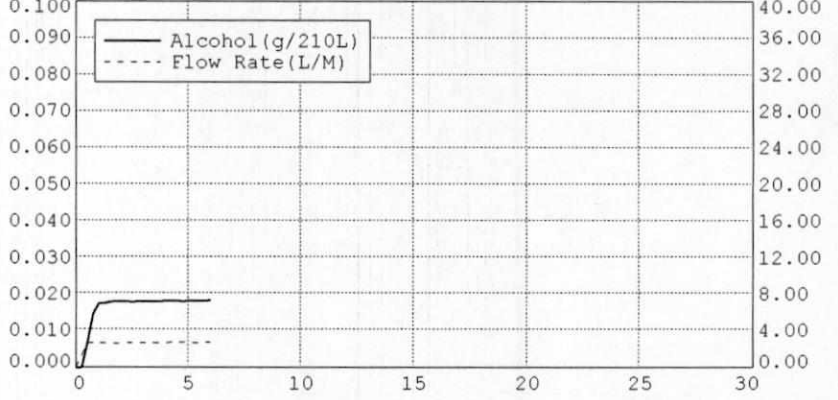
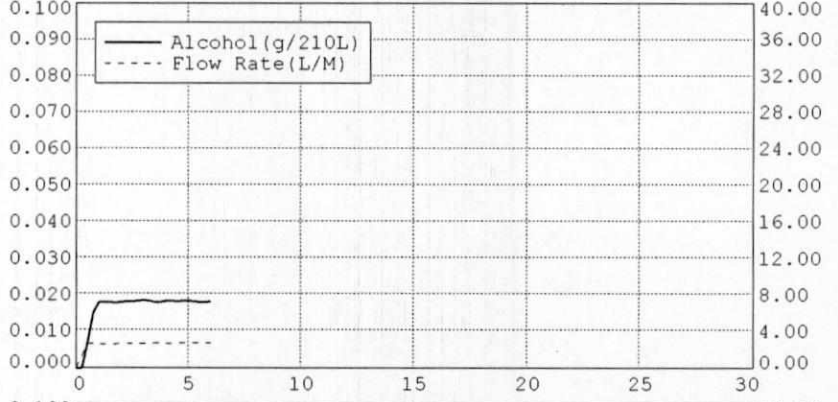
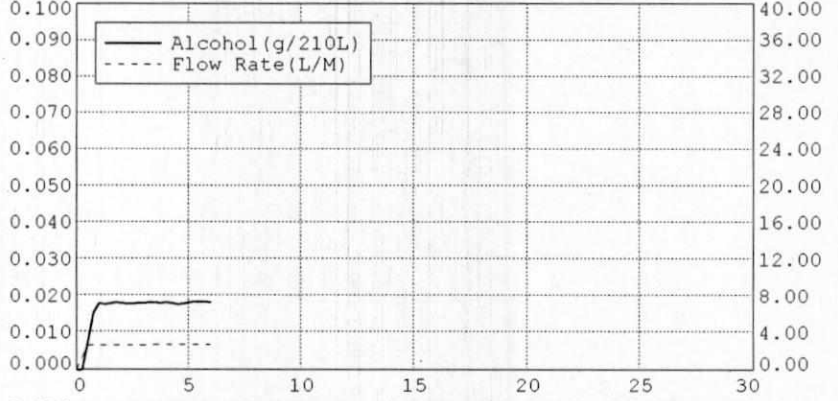
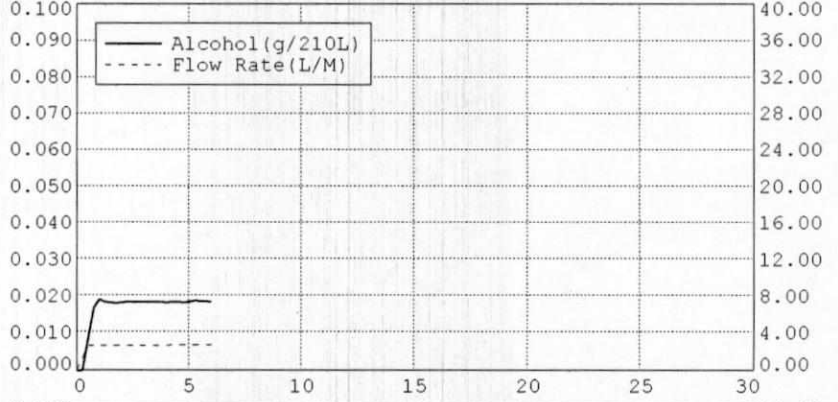
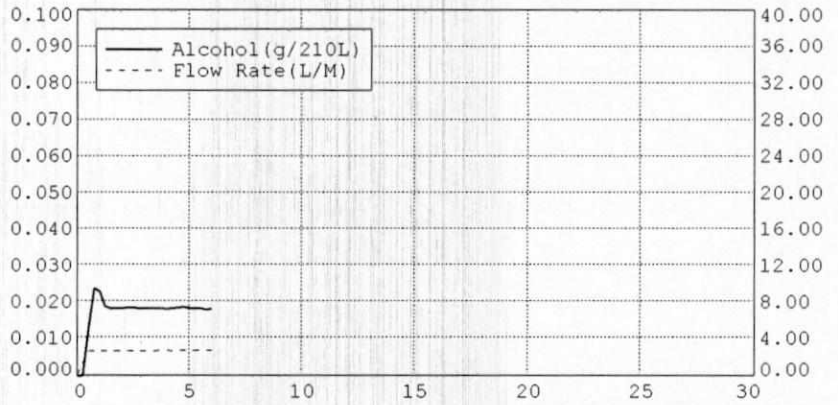
Date: 03/28/2024
 Time: 10:28:56

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.69: 0.020
 LOT #: AG217902
 EXPIRATION: 06/28/2024
 TANK PRESSURE: 577 psi

BLANK TEST	0.000	10:31
INTERNAL STANDARD	VERIFIED	10:31
EXTERNAL STANDARD	0.020	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.020	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.020	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.020	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.020	10:35
BLANK TEST	0.000	10:36

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100676

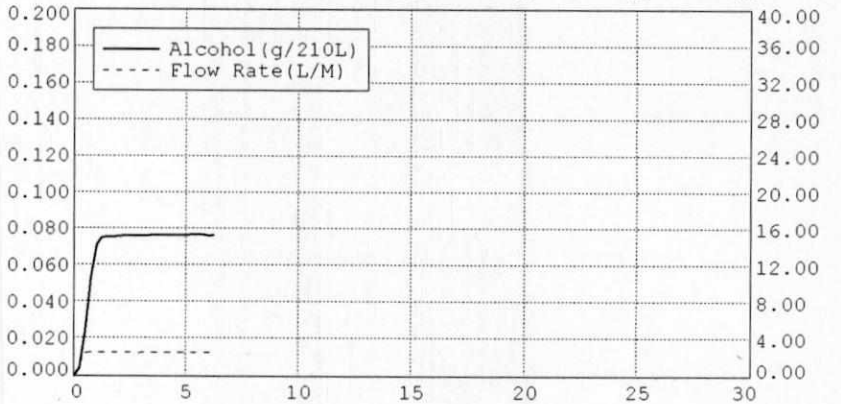
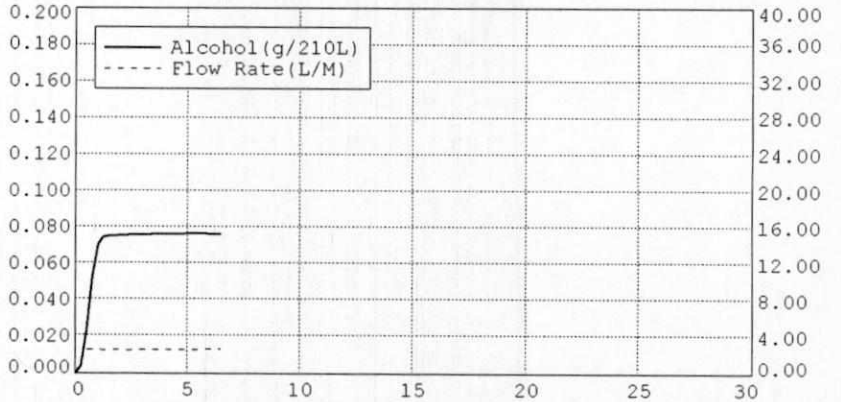
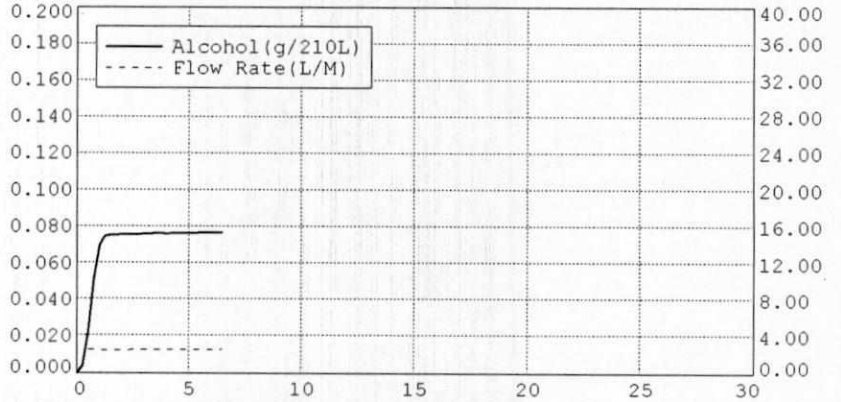
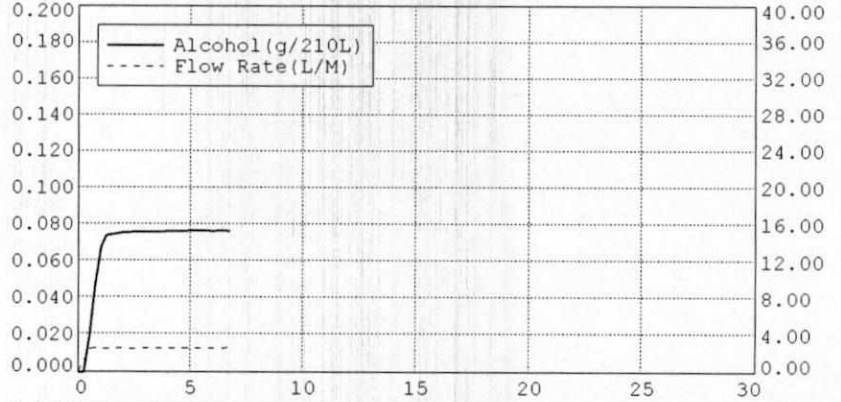
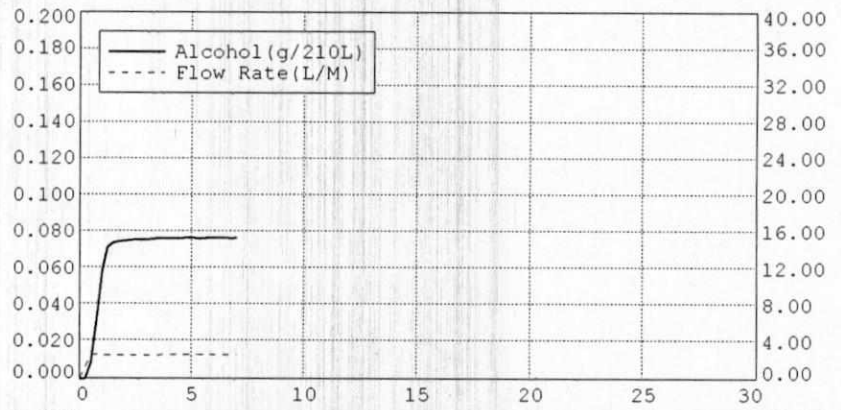
Date: 03/28/2024
 Time: 10:37:22

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.69: 0.079
 LOT #: AG310901
 EXPIRATION: 04/19/2025
 TANK PRESSURE: 162 psi

BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:38
EXTERNAL STANDARD	0.078	10:39
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.078	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.078	10:41
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.078	10:42
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.078	10:43
BLANK TEST	0.000	10:44

Average = 0.0780
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100676

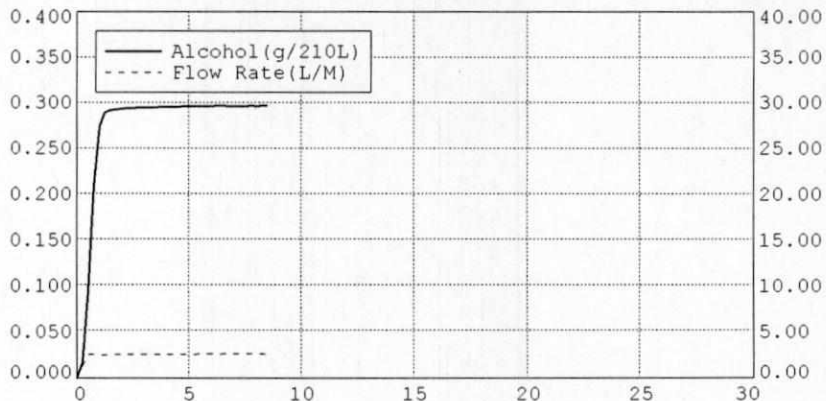
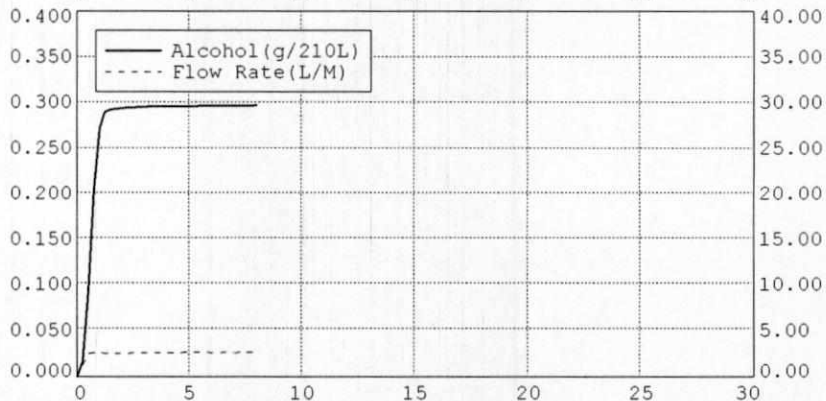
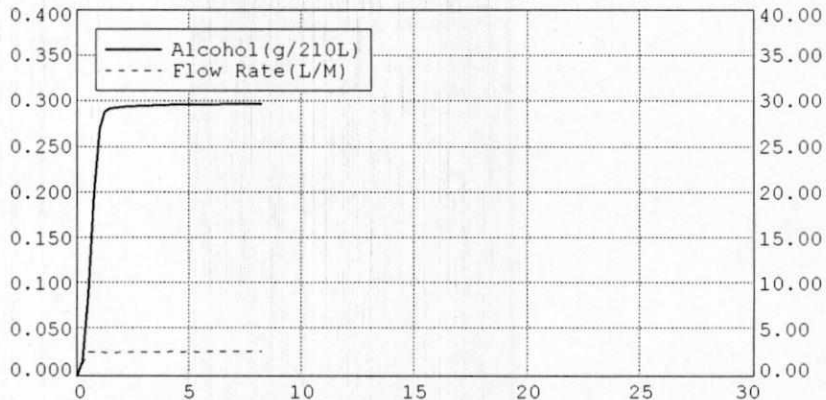
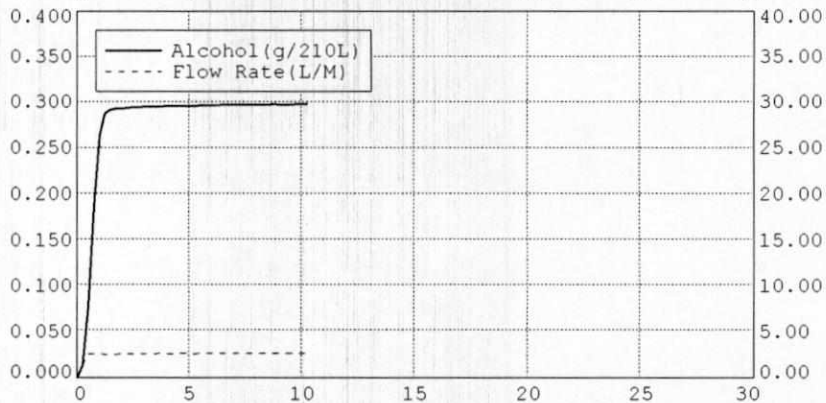
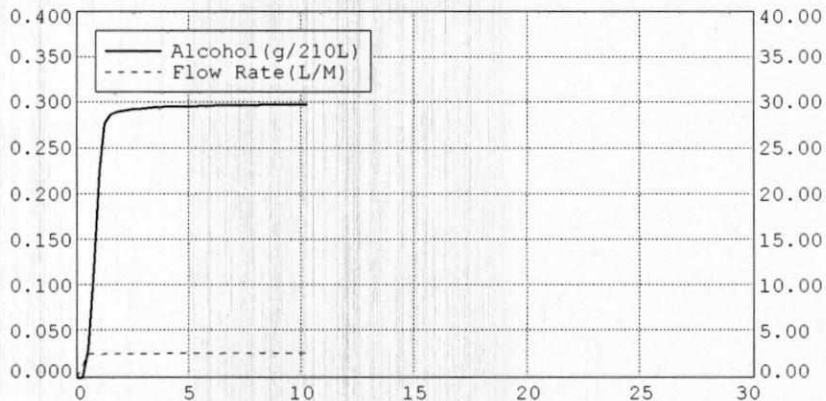
Date: 03/28/2024
 Time: 10:47:13

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.69: 0.298
 LOT #: AG327804
 EXPIRATION: 10/05/2025
 TANK PRESSURE: 287 psi

BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
EXTERNAL STANDARD	0.297	10:50
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.297	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.297	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.297	10:53
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.297	10:54
BLANK TEST	0.000	10:55

Average = 0.2970
 Std Dev = 0.0000



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100676

Date: 03/28/2024
Time: 10:59:36

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
MEGAN CROUSE
OPERATOR'S #: 10747

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: AG310901
EXPIRATION: 04/19/2025

DIAGNOSTIC CHECK	PASSED	11:01
BLANK TEST	0.000	11:01
INTERNAL STANDARD	VERIFIED	11:01
EXTERNAL STANDARD	0.079	11:02
BLANK TEST	0.000	11:03
SUBJECT SAMPLE (Vol=2.75L)	0.000	11:03
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.078	11:04
BLANK TEST	0.000	11:05

MNC

